

The

LINOTYPE LINE



TRADE MARK
LINOTYPE
REGISTERED



"THE HANDS THAT KEEP THE WORLD INFORMED"

Blue Streak Linotypes are frequently referred to as being almost human, so well do they perform their varied tasks under all sorts of working conditions. And we are as proud of their performance as are their owners.

MERGENTHALER LINOTYPE COMPANY
BROOKLYN 5, NEW YORK

The LINOTYPE LINE



THE LINOTYPE is a machine of great versatility, producing practically every kind of composition. A constantly growing field of usefulness has naturally led to increasing specialization in design, to provide the equipment best suited to specific needs. Thus, a Linotype can be a text machine, a display machine, or a combination of the two. An analysis of the product and operating conditions of any plant will determine the model that will give the desired production at the lowest operating cost.

All Linotypes are built on one of two principles, as "single distributors" or "multiple distributors." Generally speaking, on the single distributor Linotype, matrices are composed from and distributed to one magazine at a time. On the multiple distributor Linotype, matrices from adjacent pairs of magazines can be composed and combined in the same line, and are automatically returned to their proper magazines. These are commonly called "mixers."

The following pages contain illustrations and brief descriptions of the Linotype Line, together with comments concerning Blue Streak features and their application to composing room production problems.

There is a Linotype for every need.

MODEL

31

BLUE
STREAK



THE BASIC single distributor Blue Streak Lino-type. Equipped with four, three, two or one standard magazines, it is accepted as the standard text or "straight-matter" composing machine. The Model 31 has been called the "bread and butter" machine because of its steady, day-in-and-day-out production of type matter at low maintenance cost and high production economy. These economies are a result of the many Blue Streak features designed to reduce down-time and increase type production.

The One-Turn Shift is a good example of Blue Streak economy in production and maintenance and the Inbuilt Magazine Change Mechanism provides simple, fast changing of magazines.

A number of valuable Blue Streak production aids for special-purpose requirements—such as the Six-Mold Disk, Self-Quadder, Auto-Ejector Set, Quick-Opening Knife Block, Thermo-Blo Mold Cooler, as well as the Mohr Lino-Saw—may be supplied at additional cost when ordering.

MODEL

32

BLUE
STREAK



A SINGLE Distributor Blue Streak Linotype like the Master Model 31, plus auxiliary magazines. Available with a maximum of four standard main magazines and a maximum of four 34-channel wide auxiliary magazines. Matrices from any one auxiliary magazine may be composed with matrices from any one main magazine and automatically distributed. With a size range from 5 point to large display type faces, the Master Model 32 has proved to be a most economical machine for both text and

display composition. This makes the Model 32 a valuable composing room production unit.

The One-Turn shift makes every face quickly available to the operator and the Blue Streak In-built Magazine Change Mechanism is important to those plants requiring frequent magazine changes.

Other Blue Streak production aids for special-purpose requirements — Self-Quadder, Six-Mold Disk, Thermo-Blo and Auto-Ejector Set — may be supplied at additional cost when ordering.

MODEL

29

BLUE
STREAK



CONTINUOUS mixed composition is provided for the efficient production of intricate matter for some kinds of book, commercial and advertising work. With the flick of a conveniently-placed lever, the operator can assemble matrices from two adjacent magazines without shifting magazines, of which a maximum of four are available.

In addition to furnishing different faces in the same line, this model provides quick alternation of faces and sizes when needed, even though mixing

is not involved—sometimes a production economy.

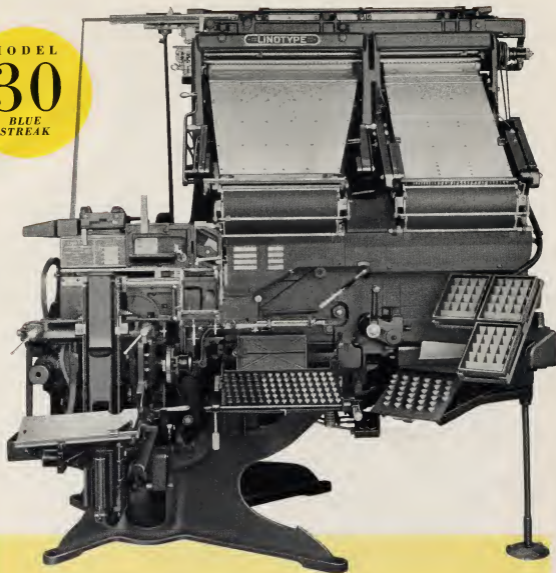
The Two-in-One version of Model 29, equipped with standard 72-channel and 90-channel magazines, permits a great variety of intricate display matter or headings to be set with all the economy of straight-matter composition.

To Blue Streak features, the Six-Mold Disk, Self-Quadder, Auto-Ejector Set, Mohr Lino-Saw and other production aids of value may be applied at additional cost when ordering.

MODEL

30

BLUE
STREAK



A MIXER LINOTYPE combining the added advantages of auxiliary magazines with the mixing characteristics of Mixer Model 29. The maximum of four main and four auxiliary magazines afford great capacity and flexibility—easy to operate, without complex mechanisms. The speed and economy of operation in the composition of a variety of faces in one line from two adjacent main magazines and two auxiliaries, plus continuous distribution assures increased production for both

newspaper and commercial printing requirements.

The Two-in-One version permits the combination of 72-channel and 90-channel standard main magazines and as many as four wide 34-channel auxiliaries. This provides for special characters and faces as large as 60-point condensed faces—all keyboarded with ease.

It has Blue Streak features, of course, to which may be added a number of other production aids at extra cost when ordering a new Model 30.

MODEL

33

BLUE
STREAK



A SINGLE Distributor Super Display Linotype for keyboarding display sizes. When equipped with 90-channel Wide-Standard magazines it permits setting through 24 point, while the 72-channel Wide-Standard magazines have a capacity through normal 36 point faces. Model 33 has a maximum of either four 90-channel or four 72-channel of these extra-range magazines (5½ inches wider than standard magazines). This gives the needed capacity for speedy, economical keyboard display composition.

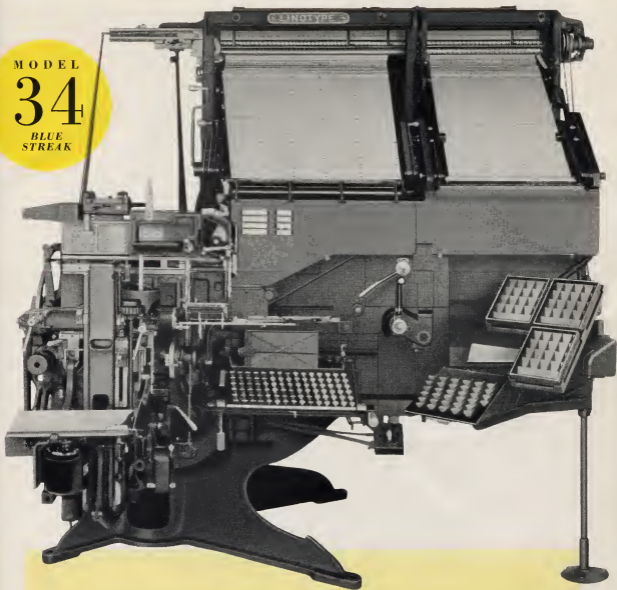
This model has the famous Blue Streak features—including One-Turn Shift, Inbuilt Magazine Changing Mechanism, Swinging Keyboard, Micro-Therm Heat Control, Automatic Distributor Screw Guard—that increase productive time and reduce maintenance cost.

Other production aids—including Self-Quadder, Six-Mold Disk and Auto-Ejector Set, Thermo-Blo, Quick-Opening Knife Block, Mohr Lino-Saw—can be supplied at additional cost when ordering.

MODEL

34

BLUE
STREAK



A SINGLE Distributor Super Display Linotype of the maximum capacity of any keyboard Linotype, Model 34 adds auxiliary magazines to Model 33. With Wide-Standard main magazines and wide 34-channel auxiliaries it provides for the keyboarding of faces up through condensed 60 point. It is intended for newspaper and commercial plants which have both display and straight-matter composition problems.

The Wide-Standard magazines permit layouts of

normal 24 point in the 90-channel version and normal 36 point in the 72-channel variety. A maximum of four main (either all 90- or all 72-channel) and four auxiliary magazines are provided.

An important feature is the Two-Speed Assembler which assures faultless assembling of either display or body-size faces.

With the regular Blue Streak features, other production aids for maximum production may be included at additional cost when ordering.

MODEL

35

BLUE
STREAK



ONE OF THE most versatile of Super Display models, which produces mixed composition in the same line from small body faces through normal 36 point—at straight-matter speed.

Model 35 carries four or two Wide-Standard main magazines, or (on the Two-in-One version) a combination of both 90- and 72-channels. The 90-channel Wide-Standard magazine permits setting sizes through normal 24 point and the 72-channel provides for keyboarding through normal 36 point.

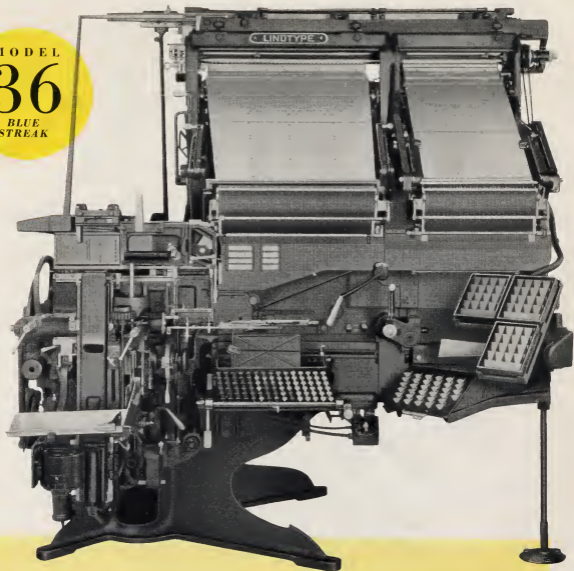
The mere flick of a lever enables the operator to assemble matrices from two adjacent magazines without shifting them, while the Two-Speed Assembler allows the setting of either small or large faces with equal ease.

In addition to Blue Streak features, other optional production aids are available. Among these are Six-Mold Disk, Self-Quadder, Auto-Ejector Set, and Thermo-Blo Mold Cooler—can be furnished at additional cost when ordering.

MODEL

36

BLUE
STREAK



THE EQUIVALENT of the Mixer Model 35 Super Display, plus auxiliary magazines. Its Wide-Standard magazines (35% wider than standard magazines) and wide 34-channel auxiliaries facilitate the keyboarding of either straight matter, mixed or display composition with equal ease.

Model 36 Two-in-One version, provides for the composition of matrices through normal 24 point from the 90-channel and through normal 36 point from the 72-channel main magazines, while as large

as 60 point condensed can be keyboarded from the auxiliaries. It is a veritable type foundry.

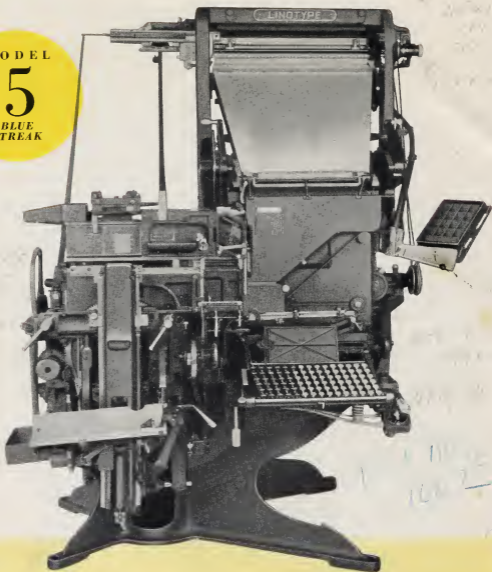
Equipped with four or two Wide-Standard main magazines and a maximum of four auxiliaries, Model 36 Super Display Mixer eliminates costly bottlenecks in the production of newspaper or commercial composition.

Self-Quadder, Six-Mold Disk, Thermo-Blo, Quick-Opening Knife Block and other optional aids can be specified at added cost when ordering.

MODEL

5

BLUE
STREAK



INTEDED for composing rooms that require a single-magazine Linotype. The standard 90-channel magazine is quickly and easily removed from the front, using the same convenient Inbuilt Magazine Change Mechanism which is found on all Blue Streak Linotypes.

Since Model 5 is designed to meet single-magazine requirements, no magazine elevating mechanism is included, nor is any provision made for

its future installation. To this extent it is limited.

The new Model 5 has such Blue Streak features as Universal Knife Block, Swinging Keyboard, Micro-Therm Heat Controls and Optic-Aid Front. Standard equipment includes one mold, but any number of molds up to four can be used. Optional production aids such as Linotype Self-Quadder, Six-Mold Disk and Thermo-Blo can be supplied at additional cost when ordering.

Linotype PRODUCTION AIDS

In addition to the many standard Blue Streak features present in Linotypes there are other optional production aids to meet special needs which are available at extra cost when ordering Linotypes.

Self-Quadder

Automatically quads out a line either at right or left, or centers it. The operator merely touches the convenient control lever and the operation is then completely automatic. A feature applicable at the factory, available when ordering a new Linotype.

Six-Mold Disk

Increases by fifty per cent the mold capacity of Linotype, reducing and often completely eliminating the necessity for liner changes. Simply and sturdily built, it is an optional production aid that pays off in time actually saved, often when time is precious.

Thermo-Blo

Linotype's controlled air mold cooler, which sends air into and around the whole mold, cooling the entire length evenly and thereby improving casting conditions. Highly recommended when casting display slugs or when continuously casting.

Auto-Ejector Set

A simple adjustable device which automatically resets the ejector blade as a new mold is brought into operating position. Particularly useful with Six-Mold Disks.

To reset the stud to a new setting when changing molds and liners takes only a few seconds.

Forty-Two Pica Slugs

Blue Streak Master Models and Mixer Models can be supplied to cast slugs up to 42 picas maximum measure, thus eliminating the necessity of butting slugs when many lines longer than 30 picas are composed. On these machines, the entire casting mechanism has been carefully designed to give extra strength and rigidity as well as additional pot pump and crucible capacity to meet maximum needs. These models are not merely adapted to cast long lines but are actually built for it.

Quick-Opening Knife Block

For speedier ad composition using overhanging slugs. A handy lever, just beneath the dial, opens the knives to clear the overhanging slugs. By returning the lever to normal position, the regular trim is made. Invaluable equipment under such conditions.

Mohr Lino-Saw

Cuts each slug to required length as it is ejected and delivers it to the Linotype galley in the normal manner. Many printers consider the greatest advantage of the Mohr Lino-Saw to be its delivery of cut-to-length lines, ready for makeup. In setting newspaper heads and advertising composition its value is considerable, since liner changes for length of line are entirely eliminated. A time saver.

FEATURES which are integral parts of various Blue Streak models, many of them exclusive characteristics of the Linotype Line, are world-famous.

Standard Magazines for all Blue Streak Models (with the exception of Super Displays) are available in two lengths—full or split, in either 90- or 72-channel style. Auxiliary magazines are available in split length or full length, depending on the individual needs of the user.

Wide-Standard Magazines for Super Display Models, are 35% wider than standard magazines and are available in similar styles and lengths. Linotype magazines are designed and built to assure dependable performance under all conditions.

Lock for Auxiliary Magazines prevents accidental dislodging of adjacent magazines when changing magazines.

Front Removal of All Magazines—Full-length, split or auxiliary. Easy removal of all magazines, regardless of position.

Inbuilt Vertical Lift for removing main and auxiliary magazines, planned for speed and the ease and physical safety of the operator as well.

Optic-Aid Front—Widely acclaimed by operators everywhere. By shielding moving parts and reducing glare within the operator's range of vision, this feature has materially reduced eye-strain and nerve fatigue.

One-Turn Shift—Fastest, simplest, easiest method of shifting magazines. Simple construction and careful design assure minimum effort and maintenance at maximum speed. No motor—no complications.

Unit Control—One-Turn Shift controls either main or auxiliary magazines with the simple flip of the Unit Control handle. Eliminates extra mechanisms.

Swinging Keyboards—Both main and auxiliary power-driven keyboards swing out as complete units, giving the same accessibility as though they were entirely removed from the machine. No tools are required. Such facility and ease of maintenance encourage proper care, assuring trouble-free operation.

Keyboard and Spaceband Keys lock conveniently and with absolute security. Matrices cannot be released until keyboard lock is deliberately released.

Double "c" Device with improved two-position indicator for an extra channel of "c" matrices.

Em, En, Thin Space Release automatically releases any one or all of these fixed spaces in combination with, or independent of, the spaceband, when the spaceband lever is touched.

Quick-Mixing Lever on the Mixer Models changes keyboard control instantly from one magazine to another with a mere touch of a lever.

Complete Bank of Keyboard Key Bars removable as a unit. Much easier to clean and maintain.

Keyboard Cams quickly removable for cleaning and lubrication.

Positive Spaceband Delivery assures minimum of transpositions.

Endless Matrix Delivery Belt with a compensating idler pulley to take up slack; shielded from operator's vision except portion needed in assembler manipulation.

Adjustable Star Wheel Friction Spring controlled easily from the front of the machine. It permits adjustment of star wheel quickly and easily for varying sizes of matrices.

Assembler Chute Finger guides matrices by their lugs and automatically adjusts itself to accommodate any width matrix, 4 to 60 point.

Assembler Entrance Cover enlarged to shield moving parts, and hinged for convenience in swinging back when needed. "Optic-Aid" designed.

Assembling Elevator with duplex rails moving on ball-bearings, and with adjustable cam-actuated gate.

Auxiliary Line Safety prevents sending through a line in raised position in the assembling elevator when the machine is set for casting display faces.

Adjustable Intermediate Channel Front Plate assures exact matrix alignment during transfer.

Improved Delivery Lever Link assures efficient line delivery with no chance of injury to operator.

Automatic Sliding Line Stop operated by the "transfer," slides all the way back into the elevator jaws, ready for the next line, regardless of length.

BLUE STREAK

SUPERIORITY

Linolized Molds and Spacebands

A new process developed to prevent metal adhesion with consequent reduction of matrix damage and mold maintenance. Now standard equipment on all new machines at no extra cost.

Direct-Line Assembler Slide

Return actuating the return with direct horizontal spring tension.

Short Line Safety (when the Self-Quadder is not in use) prevents casting short lines, protects operator and assures uniform production.

Left-Hand Vise Jaw conveniently adjustable with one hand.

Blank Slug Device holds the left-hand vise jaw over in position when casting blank slugs.

Micro-Therm Precision Heat

Controls* regulate metal temperature both in the crucible and at the mouth-piece with accuracy that assures more solid slugs, better faces and lower power costs.

Lino-Therm Immersion Heating

Elements* assure lower power costs by heating within the metal; assure better slugs by uniform heating.

Pot Leg Bushings are substantial and adjustable to assure true position of pot for perfect lock-up.

Pot Pump Plunger Sleeve assures more effective pump action, and minimizes dress adherence.

*Electric Melting Pot is added cost.

Adjustable Pot Plunger Vent

permits adjustment of plunger vent when necessary.

Universal Precision Knife Block—

Three bearings give rigid support to the right-hand knife and assure parallel movement. Each point size (5 to 45) can be independently adjusted.

Universal Ejector with blades rigidly supported between heavy guides and set by a single movement of a handle. Safety attachment on handle prevents accidental shifting of ejector.

Positive Slug Lever, operating from cam on first elevator slide, improves assembly of slugs in galley.

Adjustable Second Elevator Guide

assures alignment between second elevator bar and distributor box bar; prevents wear on matrix teeth.

New Pi Stacker and Sorts Trays—

For the increasingly needed variety of sorts characters, the pi stacker and sorts trays are positioned for the operator's convenience. You will notice this in the preceding illustrations of the auxiliary Models 30, 32, 34 and 36.

Pot Pump Spring—New handle permits easy adjustment of spring tension from front of machine.

Pot Pump Lever Support—

This new mechanism prevents the pot pump cam roller from contacting the pot pump cam except during casting cycle. Hardened, easily-replaceable shoes are provided at the points where the roller contacts the cam.

Distributor Shifter Slide carries cushion spring to reduce wear on distributor box rails.

Distributor Box Safety automatically prevents shifting of magazines if there are matrices in the distributor boxes—assures positive distribution.

Automatic Distributor Screw

Guard prevents shifting of magazines until the distributor bars and boxes are completely clear of matrices.

Spiral Automatic—

This almost human distributor device prevents damage to matrices or to channel entrance partitions. By a simple rotating wedge action, the distributor screws automatically stop the instant any excess drag is exerted on the lower screw.

Lateral Adjustment of Distributor

beam and parts provides simplicity in maintenance.

Fixed Channel Entrance

Partitions with fenders provide for varying thicknesses of matrices.

Linotype's Mixing Principle

of fast, simple multiple distribution and assembling has proved itself through the years.

For Maintenance of Lubrication—

Oilers added to oil hole guard against foreign matter. Oilite Bearings for matrix delivery belt pulleys, assembler shaft and rubber roll shafts.

Sturdy Foundation

with extra-wide base and extra-heavy frame to provide rigid support, reduces strain and vibration, and maintains permanently accurate alignment of mechanisms.

APCO PRINTING CO. ^{G.P. 30 BROAD ST.}
FILE



MERGENTHALER LINOTYPE COMPANY

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